SVETOZAROV, V. A. PA 3/49T51

USSR/Engineering Jan 48
Transmission Systems
Tractors

"Nonstage Transmission for a Tractor," V. A. Svetozarov, Engr, 6 pp

"Vest Mashinostroy" Vol XXVIII, No 1

Present-day tractors have shortcoming in that they are unable to fully utilize power of the engine due in large part to the transmission system. Presents methods for building a tractor having nonstage transmission.

[redacted] 3/49T51

SVETOZAROV, V., A. inzh.

Stepless drive. NTO 2 no.4:48-49 Ap '60. (MIRA 13:6)

(Power transmission)

SVETOZAROV, V.A., inzh.; KAMENETSKIY, V.A., inzh.

Tractor with automatic friction transmission. Trakt. i sel'khozmash. 31 no. 5:7-10 My '61. (MIRA 14:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mekhanizatsii sel'skogo khozyaystva.
(Tractors—Transmission devices)

SVETOZAROVA, G.I.; TSYTOVICH, V.N.

Spacial dispersion of relativistic plasma in a magnetic field.
Izv. vys. ucheb. zav.; radiofiz. 5 no.4:658-670 '62. (MIRA 16:7)

1. Fizicheskiy institut im. P.N.Lebedeva AN SSSR.
(Plasma (Ionized gases)) (Magnetic fields)

BUROVOY, I.A.; SVETOZAROVA, G.I.

Mathematical models of fluid-bed apparatus for thermochemical reactions. Khim.prom. no.11:801-806 '63. (MIRA 17:4)

BUROVOY, I.A.; SVETOZAROVA, G.I.

Constructing mathematical models of processes in apparatuses with a fluidized bed taking into account the volatilization of particles. Sbor. nauch. trud. Gintsvetmeta no.21:87-96 '64. (MIRA 18:8)

SVETOZAROVA, G.I.

Constructing a mathematical model of the volatilization and precipitation of particles from a fluidized bed. Sbor. nauch. trud. Gintsvetmeta no.21:97-108 '64.

Construction of a mathematical model of a rotary drying kiln. Ibid.:186-194 (MIRA 18:8)

BUROVOY, I.A.; SVETOZAROVA, G.I.

Mathematical model of the drying process in a fluidized bed with distributed parameters. Khim.prom. 41 no.6:407-411 Je '65. (MIRA 18:8)

SVETOZAROVA, O. I.

Distr: 4E3d

1/1

Fedorov, V. S., Nikolaeva, V. G., Amerik, B. K., and Svetozarova, O. I.: Issledovanie gromozkikh benzinov (Investigation of [illegible]ozzy Gasolines) Moscow: Gostoptekhizdat. 1957. 110 pp. r. 8, k. 10.

6

1

SVETOZAROVA, O. I.

PHASE I BOOK EXPLOITATION 873

Fedorov, Viktor Stepanovich; Nikolayeva, Vera Georgiyevna; Amerik, Boris Karlovich; and Svetozarova, Ol'ga Ivanovna

Issledovaniye groznenskikh benzinov (Research in Groznyy Gasolines) Moscow, Gostoptekhizdat, 1958. 108 p. 1,100 copies printed.

Executive Ed.: Kleymenova, K.F.; Tech. Ed.: Mukhina, E.A.

PURPOSE: This monograph is intended for workers of scientific research and plant laboratories and of planning organizations.

COVERAGE: The book describes the results of laboratory and pilot-plant investigations on the accurate fractionation of straight-run gasolines derived from crude oils processed at the Groznyy plants, as well as the thermal cracking and reforming distillates produced in these plants. The temperature range for the concentration points is determined and the possibility is established of obtaining high-octane components and aromatic hydrocarbons on an industrial scale by means of an accurate fractionation of gasolines. The book

Card 1/2

contains numerous tables with the characteristics of different petroleum products obtained from refinery processing units, pil plants and petrochemical refinery sections. Each article is accompanied by references.

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Drozdova, Ye.I., Z.G. Orkina, O.I. Svetozarova, V.V. Zhdanova, N.P. Mel'nikova, and P.V. Ovsyannikov. Refining of Intermediate Distillate Fractions Produced by Thermal Cracking 142

III. IMPROVEMENTS IN THE LUBE OIL AND PARAFFIN WAX PRODUCING LINE OF REFINERIES

Mitrofanov, M.G. Possibilities of Further Development and Improvement of the Lube Oil and Paraffin Wax Production in the Groznyy Refineries 157

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Kreyn, S.E., O.A. Artem'yeva, M.G. Mitrofanov, and A.G. Martynenko. Possibilities of Improving Operating Properties of Residual Oils 171

DROZDOVA, Ye.I.; ORKINA, Z.G.; SVETOZAROVA, O.I.; ZHDANOVA, V.V.; MEL'NIKOVA, N.P.; OVSYANNIKOV, P.V.

Refining of the intermediate distillate fractions of thermal cracking. Trudy GrozNII no.4:142-156 '59. (MIRA 12:9)
(Petroleum--Refining)

SVETOZAROVA, O.I.

Problem of separating C_8 alkylbenzenes and ortho-xylene from
petroleum products refined in Groznyi. Trudy GrozNII no.4:236-252
'59. (MIRA 12:9)
(Gasoline) (Aromatic compounds) (Distillation, Fractional)

5.1100

77544
SOV/65-60-2-4/15

AUTHORS: Dorogochinskiy, A. Z., Mel'nikova, N. P., Svetozarova, O. I.

TITLE: Chromatographic Separation of Broad Fractions of Petroleum Products of Secondary Origin

PERIODICAL: Khimiya i tekhnologiya topliv i masel, 1960, Nr 2, pp 19-24 (USSR)

ABSTRACT: The use and applicability limits of the sulfuric acid- and cryoscopic methods for the determination of total contents of aromatic and unsaturated hydrocarbons are cited, and the possible causes of incorrect determinations reviewed. The chromatographic method, thus far employed for separation of light fractions (50 to 280° C distillates), was tested on artificially prepared mixtures, then employed for the separation of broad fractions of secondary origin hydrocarbon mixtures. The obtained fractions were examined both separately and combined

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Chromatographic Separation of Broad Fractions of Petroleum Products of Secondary Origin

77544
SOV/65-60-2-4/15

results; deviations did not exceed 1%. The conclusion states that chromatographic separation of fractions permits an accurate determination of the content of aromatic and unsaturated hydrocarbons, separately or combined. There are 4 tables; and 16 references, 10 Soviet, 6 U.S. The recent U.S. references are: Melpolder, F., et al, Ind. Eng. Chem., 1142, 1952; Criddle, D., Le Tournear, R., Anal. Chem., 23, 1629, 1951; Fink, D., Lewis, R., Weiss, F., Anal. Chem., 22, 850, 1950; Clark, A., Andrews, A., Fleming, H. W., Ind. Eng. Chem., 7, 1527, 1949; Jonston, H., Appleby, W., Baker, M., Anal. Chem, 20, 805, 1948.

ASSOCIATION: Groznyy Petroleum Scientific Research Institute (GrozNNI)

Card 3/4

34888
S/081/62/000/003/067/090
B149/B101

11.0132

AUTHORS: Dorogochinskiy, A. Z., Mel'nikova, N. P., Svetozarova, O. I., Shumovskaya, V. A.

TITLE: Effect of the degree of selected hydrogenation of unsaturated hydrocarbons in thermocracking distillate on its thermostability

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 3, 1962, 435, abstract 3M152 (Tr. Groznensk. neft. n.-i. in-t no. 11, 1961, 53 - 57)

TEXT: The effect of the group composition of hydrocarbons on the thermal stability of the distillate from thermocracking, boiling out at 80 - 260°C (obtained from the mazout of Groznenskiy paraffin-based mixed petroleum), after selective hydrogenation to different degrees of the unsaturated hydrocarbons (original content in the distillate: 36.4%) was investigated. It was shown that the decrease of the fuel thermal stability depended on the presence of diolefins and aromatic hydrocarbons with unsaturated side chains. Mild hydrogenation (up to 16%) of the unsaturated hydrocarbons from the distillate resulted in a fuel with satisfactory thermal stability.
Card 1/2

ACCESSION NR: AT4016006 S/2625/63/000/015/0344/0350

AUTHOR: Svetozarova, O. I.; Zhdanova, V. V.; Nesmeyanova, T. S.; Levashova, E. P.; Kozorezova, A. I.; Nemchenko, S. A.; Minets, T. M.

TITLE: Study of the composition of gasolines obtained by catalytic cracking of highly paraffinic gas oils

SOURCE: Grozny*y. Neftyanoy nauchno-issledovatel'skiy institut. Trudy*, no. 15, 1963. Tekhnologiya pererabotki nefti i gaza. Neftekhimiya (Technology of processing petroleum and gas. Petroleum chemistry), 344-350

TOPIC TAGS: petroleum refining, gasoline, cracking, catalytic cracking, hydrocarbon composition, paraffinic petroleum, gas oil

ABSTRACT: The composition of the pentane-hexane fractions and aromatic hydrocarbons in gasolines boiling at up to 200C and obtained by catalytic cracking of petroleum gas-oil with a high content of paraffinic hydrocarbons was investigated. The experiment consisted of four stages: (1) Isolation of gasoline from the cracking products; (2) chromatographic separation of the fraction into paraffin-naphthene, unsaturated and aromatic portions on silicagel with a benzene activity of 13-15 ml/100 g.; (3) fractionation into small fractions

Card 1/2

SVETOZAROVA, O.I.; SHDANOVA, V.V.; NESMEYANOVA, T.S.; LEVASHOVA, E.P.;
KOZOREZOVA, A.I.; NEMCHENKO, S.A.; MINETS, T.M.

Studying the composition of the aromatic hydrocarbons of gasolines. Nefteper. i neftekhim. no.6:19-21 '63 (MIRA 17:7)

1. Groznenskiy neftyanoy nauchno-issledovatel'skiy institut.

SVETOZAROVA, O.I.; ZHDANOVA, V.V.

Studying the depressing effect of tar residues on the pour point of gas-turbine fuels. Trudy GrozNII no. 15:119-126 '63. (MIRA 17:5)

84291

15.9205 2209, 2109, 1526

S/138/60/000/005/003/012
A051/A029

AUTHORS: Stavitskiy, I.K., Svetozarova, V.M.

TITLE: The Synthesis and Properties of Vinyl-Siloxane Rubber

PERIODICAL: Kauchuk i Rezina, 1960, No. 5, pp. 6 - 11.

TEXT: The conditions for the synthesis of ethylvinyldichlorosilane were developed by the authors using chlorination of diethyldichlorosilanes and subsequent dehydrochlorination of α - and β -chloroethylethyldichlorosilanes in the presence of quinoline. The authors investigated the main properties of the obtained vulcanizates. The experimental procedure is outlined in detail and samples of the vinylsiloxane rubber CKTB (SKTV) were produced, with various contents of RC_2H_3SiO-chains (0.07 - 4.0 mol.%) in the main polydimethylsiloxane ring. By introducing vinyl groups into the ploysiloxane rubber, the activity of the latter increases during the vulcanization reactions, which allows for the rubber to be vulcanized with a lesser amount of benzoyl peroxide, other peroxides of low activity, sulfur and its compounds. The SKTV vulcanizates, with a low vinyl group content, are characterized by a higher thermal resistance at 250°C and a lowered

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84291

S/138/60/000/005/003/012
A051/A029

The Synthesis and Properties of Vinyl-Siloxane Rubber

phenyl groups are introduced into the rubber. The results of the experiments also showed that it is possible to vulcanize vinylsiloxane rubber without using free sulfur, as seen in Table 9. There are 9 tables, 20 references: 2 Soviet, 17 English and 1 German.

X

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo kauchuka im. S.V. Lebedeva (The All-Union Scientific Research Institute of Synthetic Rubber imeni S.M. Lebedev)

Card 3/3

Investigation on the Catalytic Hydration of Acetylene and Its Derivatives in the Gas Phase. VII. Study on Copper-phosphate/ Calcium-phosphate Catalysts

S/079/60/030/011/020/026
B001/B055

activity. The authors were interested to find out how a variation in calcium-phosphate composition would affect the copper-phosphate/calcium-phosphate catalyst. Several catalysts were prepared which contained 0.1% copper phosphate applied to mixtures of secondary- and tertiary calcium phosphate of various compositions. It was shown that the application of 0.1 - 0.3% copper phosphate onto calcium phosphate leads to highly active and selective catalysts for the hydration of acetylene. It was found that the activity of the copper-phosphate/calcium-phosphate catalyst depends on its content of neutral and acid calcium phosphates. Catalysts of a composition approaching neutral tertiary phosphate have the highest activity. Addition of 0.1 - 0.3% of other copper (II) salts to the calcium phosphate has about the same effect as addition of the same amount of copper phosphate. The activity of catalysts prepared with metallic copper and copper (I) chloride is low. By applying the copper-phosphate/calcium-phosphate catalyst, prepared in the required manner, the hydration process of acetylene can be carried out in a 100 h working cycle at an average catalyst working life of 600 h. There are 1 table and 14 references:

37763
S/661/61/000/006/045/081
D244/D302

15.9205

AUTHOR: Svetozarova, V. M. and Stavitskiy, I. K.

TITLE: Synthesis and properties of polysiloxane rubbers containing vinyl and phenyl groups

SOURCE: Khimiya i prakticheskoye primeneniye kremneorganicheskikh soyedineniy; trudy konferentsii, no. 6: Doklady, diskussii, resheniye. II Vses. konfer. po khimii i prakt. prim. kremneorg. soyed., Len., 1958. Leningrad, Izd-vo AN SSSR, 1961, 206-207

TEXT: A discussion in which K. A. Andrianov (Moscow) and M. M. fomicheva (VNIISK, Leningrad) took part. The authors disclosed that the influence of $R(CH_2=CH)SiO$ units on the properties of polysiloxane rubber are noticeable already at their concentration of 0.07 mol %. The vinylsiloxane rubbers require less benzoyl peroxide for their vulcanization than СКТ (SKT) rubber. Consequently, the rubber after vulcanization contains less benzoic acid. The vinyl-siloxane

Card 1/2

SVETOZAROVA, V. V.

Mbr., Lab. Genetics, Inst. Plant Industry, Pushkin, -1939-. Mbr., Main Botanical Garden, Dept. Biol. Sci., Acad. Sci., -c1949-. "Second Genom of Triticum Timopheevi Zhuk," Dok. AN, 23, No. 5, 1939;

Electrochemical oxidation of nickel hydroxide. N. P. Fedoteev and V. V. Svetachnikova (*J. Appl. Chem. Russ.*, 1942, **15**, 105—119).—The best conditions for electrochemical oxidation of an aq. suspension of NiO in a one-compartment cell are: ~28 g. of NiO per l., [NaCl] $>$5N., [NaOH] = 0·025N., 16 amp. per l. of electrolyte, cathodic c.d. 0·075 amp. per sq. cm., anodic c.d. 0·1—1 amp. per sq. cm., the electrodes being of graphite. The black hydrate (I) obtained contains 1·71 O per 1 Ni atom; the energy consumption is 20—30 kw.-hr. per 1 kg. of active O. A similar hydrate can be prepared by electrolysing 5N-NaCl between a Ni and a graphite anode and a Ni cathode but the energy consumption is higher since a large fraction of the OCl' produced is decomposed before meeting a particle of NiO; the ratio O : Ni in this hydrate is $\leq$1·7. (I) can be used for pptg. $Co^{\cdot\cdot}$ from the $NiSO_4$ baths for Ni refining in the same way as black hydrate manufactured by chemical oxidation with NaOCl. The electrochemical oxidation is more economical. J. J. B.

SVETOZAROVA, V. V.

PA 3/50T6

USSR/Biology - Plant Fertilization 1 Aug 49
Botany

"New Data on the Study of Plant Fertilization," Ya. Ye. Ellengorn, V. V. Svetozarova, Main Bot Garden, Acad Sci USSR, 1½ pp

"Dok Ak Nauk SSSR" Vol LXVII, No 4

Examination of fixing methods led to two conclusions: (1) Fixing agents (chromic acid), which are powerful oxidizers, can destroy heteropolar, valent bonds existing between albumin molecules during their lifetime. (2) Use of acetic acid must destroy nonvalent, homopolar bonds. Describes

[redacted] 3/50T6

USSR/Biology - Plant Fertilization (Contd) 1 Aug 49

results of using alcohol as a fixative and the fertilization process observed. Submitted by Acad S. I. Vavilov 15 Jun 49.

[redacted] 3/50T6

CA

11J)

Polarity in plant cells. Ya. E. Ellengorn and V. V. Svetozarova. *Zhur. Obshchei Biol.* (J. Gen. Biol.) 11, 380-86(1950).—Polarity studies in cells of pollens (onion, rye, and others) show variability of pH and rH even in pollen from the same anther. Cell protoplasm ranged from 2.5 to 6.0 in pH. Stains used for examn. of pollen grains were toluidine blue, methylene blue, neutral red, and acid fuchsin.

Julian F. Smith

YELLENGORN, YA. YE., SVETOZAROVA, V. V.

Fertilization of Plants

Studying the process of fertilization in plants. Biul.Glav.bot.sada No. 9, 1951.

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified.

SVETOZAROVA, V. V.

"Variations in the Quality of Cells of a Female Gametophyte in the Process of Its Development As Illustrated by Certain Angiosperm Plants." Cand Biol Sci, Moscow Order of Lenin State U imeni M. V. Lomonosov, Biology-Soil Faculty, Moscow, 1955. (KL, No 9, Feb 55)

SO: Sum. No. 631, 26 Aug 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14).

SVETOZAROVA, V.V.

Data on the anatomical structure of leaves of Eremurus. Biul.Glav.bot.
sada no.20:40-42 '55. (MIRA 8:9)

1. Glavnyy botanicheskiy sad Akademii nauk SSSR.
(Desert candle) (Leaves--Anatomy)

SVETOZAROVA, V.V.

Morphological and anatomical structure and development characteristics of some species of the genus Eremurus in cultivation. Trudy Glav. bot. sada 9:171-205 '63. (MIRA 16:5)

(Desert candle) (Plant introduction)

SVETOZAROVA, Ye. I.

Dissertation: "Effect of the Cross-Section Height of a Wooden Rectangular Beam on Its Resistance to Simple Bending." Cand Tech Sci, Leningrad Construction Engineering Inst, Leningrad, 1954. Referativnyy Zhurnal--Mekhanika, Moscow, Jul 54.

SO: SUM No. 356, 25 Jan 1955

SVETOZAROVA, Ye.I., kand.tekhn.nauk

The design and manufacture of new plywood elements. Sbor. nauch. trudov LISI no.34:46-62 '61. (MIRA 15:8)
(Plywood)

SVETOZAROVA, Ye.I., kand.tekhn.nauk; BROVICH, D.G., inzh.

The possibility of using wood-fiber blocks and particle boards as bearing elements. Sbor. nauch. trudov LISI no.34:171-176 '61.
(MIRA 15:8)

(Wood waste)

SVETOZARSKAYA, Galina Fedorovna; RASHCHUPKINA, L.I., red.;
SMIRNOVA, N.S., tekhn. red.

[Technical instructions on orchard and park management in Moscow] Tekhnicheskie ukazaniia po sadovo-parkovomu khoziaistvu g. Moskvy. Moskva, 1962. 27 p.
(MIRA 16:6)

1. Moscow. Vystavka dostizheniy narodnogo khozyaystva SSSR.
(Moscow—Landscape gardening)

ASSANOVA, Margarita Petrovna; AFONINA, Lyubov' Petrovna; IL'INA, Nina Ivanovna; SVETOZARSKAYA, Galina Fedorovna; SEVAST'YANOVA, Kamila Alekseyevna; GOLUBEVA, I.A., red.; RESHETIN, G.V., tekhn. red.

[Advanced practiqes in floriculture and landscaping] Peredovoi opyt v tsvetovodstve i ozelenenii; putevoditel'. Moskva, 1962. 35 p. (MIRA 16:5)

1. Moscow. Vystavka dostizheniy narodnogo khozyaystva SSSR. Pavil'on "TSvetovodstvo i ozeleneniye."
(Floriculture--Exhibitions)
(Landscape gardening--Exhibitions)

PEREL'SHTEYN, N.L.; MITGARTS, L.V., kand. tekhn. nauk; MAKAROVA,
R.P., red.; SVETOZARSKIY, K.V., red.

[Manual on the manufacture of prestressed reinforced-concrete segmented girders from linear elements] Rukovodstvo po izgotovleniiu sbornykh zhelezobetonnykh predvaritel'no napriazhennykh segmentnykh ferm iz lineinykh elementov. Moskva, TSentr. biuro tekhn. informatsii, 1961. 67 p. (MIRA 15:3)

1. Russia (1917- R.S.F.S.R.) Ministerstvo stroitel'stva. Tekhnicheskoye upravleniye.
(Girders) (Prestressed concrete construction)

ZIL'BERBERG, A.L., nauchnyy red.; RYZHOVA, L.N., red.; TETIYA, I.A., red.; SVETOZARSKIY, K.V., red.

[Coiling of sections for sheet-metal structures] Rulonirovanie listovykh konstruktsii; tematicheskii sbornik. Moskva, Izd-vo TSentr.biuro tekhn.informatsii, 1962. 157 p. (MIRA 16:6)

1. Russia (1917- R.S.F.S.R.)Ministerstvo stroitel'stva. (Metalwork) (Petroleum--Storage)

[illegible]KIN S, V.

SOV/79-28-8-47/66

AUTHORS: Roginskaya, Ts. N., Svetozarskiy, S. V.,
Finkel'shteyn, A. I., Zil'berman, ~~Ye. N.~~

TITLE: Concerning the Question of the Molecular Structure of the Unsaturated Ketones Which Are the Bimolecular Condensation Product of Cyclohexanone (K voprosu o molekulyarnom stroyenii nenasyshchennykh ketonov-bimolekulyarnykh produktov kondensatsii tsiklogeksanona)

PERIODICAL: Zhurnal obshchey khimii, 1958, Vol. 28, Nr 8, pp. 2229 - 2233 (USSR)

ABSTRACT: On the basis of investigations on the chemical properties of the ketone $C_{12}H_{18}O$(I) the structure (A) (Refs 6,9-11) or structure (B)(Refs 9,10,12-12) may be assigned to it, or it may be considered as a mixture of the two isomers (Refs 15,16). Those supporting structure (B) (Refs 10,14) base their arguments on the chemical reactions of the ketone and cite the rule of Dikman-Kon(Dikman,Kon), according to which the semicyclic double bond in the cyclohexane ring is less stable than the endocyclic double bond. The question of the structure of this ketone was more

Card 1/3

Concerning the Question of the Molecular Structure of the Unsaturated Ketones Which Are the Bimolecular Condensation Product of Cyclohexanone SOV/79-28-8-47/66

SUBMITTED: May 22, 1957

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SOV/79-29-5-10/75

5(4)

AUTHORS: Svetozarskiy, S. V., Zil'berman, Ye. N., Razuvayev, G. A.

TITLE: Low-Temperature Autocondensation of Cyclohexanone (Nizkotemperaturnaya avtokondensatsiya tsiklogeksanona)

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 5, pp 1454 - 1457 (USSR)

ABSTRACT:

In the present paper a $C_{18}H_{30}O_3$ compound (I) was obtained by means of autocondensation of cyclohexanone at room temperature in the presence of solid sodium hydroxide as catalyst. It represents a tricyclic product with a carbonyl- and two ternary hydroxyl-groups. On heating with solid sodium hydroxide (I) decomposes to give cyclohexanone and 3-cyclohexylidene-cyclohexanone. Owing to the reaction of (I) with concentrated sulfuric acid as well as on short heating 2 water molecules are splitted off and an unsaturated $C_{18}H_{26}O$-ketone (II) is formed.

On protracted heating of (I) and (II) the dodecahydro-1,2,3,4,5,6,7,8,9,10,11,12-triphenylene (III) is formed in good yield. Owing to the transformation of (I) into (III) the com-

Card 1/2

pound $C_{18}H_{30}O_3$ must be a dioxy-ketone with the structure of the 2-[2-(1-oxy-cyclohexyl)· 1-oxy-cyclohexyl]-cyclohexanone (Fig 1). The easy transformation of (II) into (III) may be due to steric factors. In order to define the structure of the ketone (II) its ultraviolet spectrum in diethyl ester (Fig 2) was taken. It was found that (II) can only have the structure of 2-[2-(Δ^{1}-cyclohexenyl)-cyclohexylidene]- cyclohexanone. No usual derivatives of carbonyl compounds could be obtained from the ketone (II) and the dioxy-ketone (I) which is due to steric hindrances. It has to be mentioned that (III) is usually obtained in a yield of 6% at the most (Ref 3). The transformations of (I) and (II) into (III) here described are a new and convenient method for the preparation of dodecahydrotriphenylene. The authors express their gratitude to Ts. N. Roginskaya for taking the ultraviolet spectra. There are 3 figures and 9 references, 1 of which is Soviet.

SUBMITTED: April 11, 1958

Card 2/2

5.3610

78302
SOV/79-30-3-56/69

AUTHORS: Svetozarskiy, S. V., Razuvayeva, G. A., Zil'berman, Ye. N.

TITLE: Synthesis of 2-Substituted of 4-Pentamethylene-5,6-Tetramethylene-2,3,4,5-Tetrahydropyrimidines

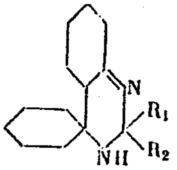
PERIODICAL: Zhurnal obshchey khimii, 1960, Vol 30, Nr 3, pp 1020-1023 (USSR)

ABSTRACT: It was shown that the previously obtained (by the authors (ZhOKh, 26, 601, 1956)) 2,4-dipentamethylene-5,6-tetramethylene-2,3,4,5-tetrahydropyrimidine (Ia) can also be prepared by condensation of 2-(1-aminocyclohexyl)-cyclohexanone (II) with ammonia.

Card 1/3

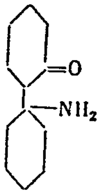
Synthesis of 2-Substituted of 4-Pentamethylene-5,6-Tetramethylene-2,3,4,5-Tetrahydropyrimidines

78302
SOV/79-39-3-56/69



(I)

(Ia) R_1 $R_2 = (CH_2)_5$; (Ib) $R_1 = R_2 = CH_3$; (Ic) $R_1 = CH_3$, $R_2 = C_2H_5$; (Id) $R_1 = H$, $R_2 = CH_3$.



(II)

The following new compounds were obtained by condensation of II and ammonia with different carbonyl compounds. 2,2-Dimethyl-4-pentamethylene-5,6-tetramethylene-2,3,4,5-tetrahydropyrimidine (Ib) was obtained by condensation of II, ammonia, and acetone (91%), d_4^{20} 1.002, n_D^{20} 1.5128; 2-methyl-2-ethyl-4-pentamethylene-5,6-tetramethylene-2,3,4,5-tetrahydropyrimidine (Ic) (90.5%), by condensation of II, ammonia,

Card 2/3

85394

S/079/60/030/006/030/033/XX
B00'/B055

5-3610 ah. 2209

AUTHORS: Svetozarskiy, S. V., Razuvayev, G. A., Zil'berman, Ye.N., and Volkov, G. S.

TITLE: Reactions in Spontaneous Condensation of Cyclic Ketones and Their Condensation With Ammonia

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol. 30, No. 6, pp. 2042 - 2047

TEXT: Basing on Refs. 1-6, the authors show in the present investigation that, by spontaneous condensation of cyclopentanone under known conditions, one obtains the ketones (the bicyclic ketone 2-cyclopentylidene cyclopentanone and tricyclic ketone 2,5-dicyclopentylidene cyclopentanone) described in Refs. 7,8. In this case, the initially formed dihydroxy ketone is evidently unstable and readily splits off two molecules of water giving the unsaturated ketone (Scheme). By spontaneous condensation of 4- and 3-methyl cyclohexanone under ordinary conditions, tricyclic products were obtained (2-[2-(1-hydroxy-4-methyl-cyclohexyl)-1-hydroxy-4-methyl-cyclohexyl]-4-methyl cyclohexanone (I)

S/020/60/131/04/037/073
B011/B017

AUTHORS: Razuvayev, G. A., Corresponding Member, AS USSR, Zil'berman, Ye. I., Svetozarskiy, S. V.

TITLE: Production of the Hexacyclic Product of Autocondensation of Cyclohexanone

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol 131, Nr 4, pp 850-852 (USSR)

TEXT: As is known, 2-cyclohexylidenecyclohexanone is formed on storing a mixture of equal amounts of cyclohexanone and 60% aqueous H_2SO_4 (Ref 2) for 24 hours. The authors wanted to investigate the behavior of cyclohexanone in the presence of a more concentrated H_2SO_4. In their paper, they proved that a solid product with the empirical formula $C_{36}H_{52}O_2$ (Table 1) is formed by the reaction of cyclohexanone with methanolic H_2SO_4 (I). Furthermore, it was found that in the presence of methanol, n-butanol, or water and concentrated H_2SO_4 (Experiments 1, 2 and 3) always the same condensation product of cyclohexanone $C_{36}H_{52}O_2$ is formed. If the solvent does not participate in its formation, the mentioned product is a result of autocondensation of cyclohexanone. $C_{36}H_{52}O_2$ was also obtained in a low yield (1%) in the autocondensation of cyclohexanone into dodecahydro-1,2,3,4,5,6,7,8,9,10,11,12-triphenylene (Ref 3) (Experiment 4). Furthermore,

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Production of the Hexacyclic Product of Autocondensation of Cyclohexanone

S/020/60/131/04/037/073
B011/B017

it was found that 2-cyclohexylidenecyclohexanone is also transformed into $C_{36}H_{52}O_2$ (Experiment 6) in the presence of methanolic H_2SO_4. In the synthesis of 2-cyclohexylidenecyclohexanone, also (I) is formed besides the final product if the experiment is carried out for a longer period. On the other hand, some tricyclic autocondensation products of cyclohexanone do not produce substance (I) in the reaction with methanolic H_2SO_4. For this reason, the authors assume that the autocondensation of cyclohexanone into (I) passes the stage of formation of 2-cyclohexylidenecyclohexanone (1), (2). In experiments 1-3 and 6, dodecahydrotriphenylene was obtained as a by-product. In experiment 6, this may be explained by the reaction of a reversible aldol condensation (Refs 4-6). On heating with dilute aqueous acid and alkaline solutions until the boiling point is attained, product (I) is not hydrolyzed at atmospheric pressure. By boiling with concentrated HNO_3 (I) is oxidized to give adipinic acid. On heating to 250°, a water molecule is cleft off from (I), and $C_{36}H_{50}O$ is formed. Under ordinary conditions, in the presence of platinum oxide, (I) adds no hydrogen on catalytic hydrogenation, and the usual derivatives of carbonyl compounds are not obtained. (I) cannot contain any tertiary alcohol groups. Figure 1 shows

Card 2/3

SVETOZARSKIY, S.V.

Cand Chem Sci - (diss) "New reactions of autocondensation and condensation with ammonia of cyclohexanone and its monomethyl-derivatives." Gor'kiy, 1961. 14 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Gor'kiy State Univ imeni Lobachevskiy); 150 copies; price not given ; (KL, 5-61 sup, 177)

SVETOZARSKIY, S.V.; ZIL'BERMAN, Ye.N.; FINKEL'SHTEYN, A.I.

Reactions between benzaldehyde and ammonia. Zhur.ob.khim. 31
no.5:1717-1719 My '61. (MIRA 14:5)
(Benzaldehyde) (Ammonia)

ZIL'BERMAN, Ye.N., kand. tekhn. nauk; STRIZHAKOV, O.D.;
SVETOZARSKIY, S.V., kand. khim. nauk

Use of ammonium bisulfite in the production of ε-caprolactam.
Khim. prom. no.4:259-261 Ap '63. (MIRA 16:8)

SVETOZARSKIY, S.V.; FELLER, K.L.; SAMITOV, Yu.Yu.; ZIL'BERMAN, Ye.N.;
RAZUVAYEV, G.A.

Formation of furan derivatives by autocondensation of cyclohexanone.
Izv.AN SSSR. Ser.khim. no.1:121-126 Ja '64. (MIRA 17:4)

STRIZHAKOV, O.D.; ZIL'BERMAN, Ye.N.; SVETOZARSKIY, S.V.

Oximes of 2-cyclohexen-1-one. Zhur. ob. khim. 35 no.4:628-632 Ap '65. (MIRA 18:5)

ZIL'BERMAN, Ye.N.; STRIZHAKOV, O.D.; SVETOZARSKIY, S.V.; POMERANTSEVA, E.G.

Synthesis of ω-aminohydroxamine acids. Zhur. ob. khim. 35 no.5:857-860 My '65. (MIRA 18:6)

L 44348-66 EWT(m)/EWP(j)/T IJP(c) WW/RM

ACC NR: AP6023056 (A) SOURCE CODE: UR/0191/66/000/004/0003/0004

AUTHOR: Zegel'man, V. I.; Zil'berman, Ye. N.; Kotlyar, I. B.; Svetozarskiy, S. V.

29

B

ORG: none

TITLE: Low temperature 1 emulsion polymerization 1 of vinyl chloride

SOURCE: Plasticheskiye massy, no. 4, 1966, 3-4

TOPIC TAGS: emulsion polymerization, vinyl chloride, polyvinyl chloride, vinyl plastic

ABSTRACT: Kinetics of vinyl chloride polymerization was studied at -20°C, pH=3-13, duration 0-4 hours, using a mixture of sodium alkylsulfonates with 14-18 carbon atoms as emulsifier and ammonium persulfate- ferrous sulfate (0-2 g/l $(NH_4)_2S_2O_8$) redox system as initiator. A maximum of 80-85% yields of polyvinyl chloride were obtained with an equimolar ratio of the components of the redox system at pH=3, polymerization duration equal to 2-4 hours, and 1-2% emulsifier. The polymer molecular weight was found to increase with increasing amount of emulsifier used. The low temperature polymerization used in this work gave PVC with 95-100°C glass point. Orig. art. has: 4 figures.

15

SUB CODE: 07/ SUBM DATE: none/ ORIG REF: 007/ OTH REF: 001

UDC: 678.743.22 : 66.095.262.3

Card 1/1 blg

DEMIDOVA, S.A.; SVET-MOLDAVSKIY, G.Ya.

Preparation of monolayer cultures of amphibian tissue and an attempt at cultivating viruses of smallpox vaccihe and measles. Biul. eksp. biol. i med. 57 no.1:123-125 Ja '64. (MIRA 17:10)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR i Kontrol'nyy institut imeni L.A. Tarasevicha. Predstavlena deystvitel'nym chlenom AMN SSSR V.M. Zhdanovym.

SVETS, V.Ye., inzhener; ZAMKOVSKIY, V.R., inzhener; SHAPIRO, L.V., inzhener.

Conference on the preparation of metal for rolling and finishing of the rolled shapes. Metallurg no.10:36-39 O '56. (MLRA 9:11)

1. Orgchermet.

(Rolling (Metalwork))

SVETS, V.Ye.

25(1) PHASE I BOOK EXPLOITATION SOV/2107

Zamkovskiy, V.R., and V. Ye. Svets, Compilers

Podgotovka metalla k prokatke i otdelka prokata; obobshcheniye peredovogo opyta (Preparing Metal for Rolling and Finishing Rolled Products; General Conclusions From Progressive Experiments) Khar'kov, Metallurgizdat, 1958. 279 p. 2,600 copies printed.

Sponsoring Agencies: Ukraine. Gosudarstvennaya planovaya komissiya and Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii proizvodstva i truda v chernoy metallurgii.

Resp. Ed.: L.V. Shapiro; Ed. of Publishing House: S.S. Liberman; Tech. Ed.: S.P. Andreyev.

PURPOSE: This book is designed for workers preparing metal for rolling and in finishing rolled stock at metallurgical plants. It may also be useful for students in vuzes and teknikums.

COVERAGE: Practices of Soviet plants in preparing metal for rolling and in finishing rolled products are presented. These two phases are admittedly

Card 1/5

SHAPIRO, L.V., inzh.; SVETS, V.Ye., inzh.

Specialization of rolling mills and the mastering of new economical rolled product shapes in plants of the Ukrainian S.S.R. Met. i gornorud. prom. no.2:19-23 Mr-Ap '62. (MIRA 15:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii proizvodstva i truda chernoy metallurgii.

(Ukraine—Rolling (Metalwork))

SVETS, V.Ye.

Use of economically efficient hot-rolled sections in the agricultural machinery industry. Trakt. i sel'khozmash. 32 no.5: 42-44 My '62. (MIRA 15:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii proizvodstva i truda chernoy metallurgii.
(Agricultural machinery industry--Equipment and supplies)

SHAPIRO, Leonid Viktorovich; SVETS, Vladimir Yevseyevich;
Prinimal uchastiye ZHIVAGO, V.I., inzh.; GOL'DENBERG,
Ye.A., red.

[Industrial organization in cogging mills] Organizatsiia
proizvodstva v obzhimnykh tsekhakh. Moskva, Izd-vo Metallurgiia, 1964. 118 p. (MIRA 17:6)

SVETS, V.Ye.; SHAPIRO, L.V.

New economically shaped rolled products for machine construction.
Met. i gornorud. prom. no.1:38-39 Ja-F '64. (MIRA 17:10)

SVETS, V.Ye.

Assortment of rolled structural steel sections in foreign countries. Met. i gornorud. prom. no.3:83-85 My-Je '64.
(MIRA 17:10)

MINENKO, V.A.; ALEKSANDROV, A.A.; SVETS, V.Ye.; BORZENKO, V.P.; KURILOV, P.G.; KHAZANOVICH, N.L.; Prinimali uchastiye: POPOV, A.I.; KONOVALOV, A.N.; TERTYCHNAYA, I.Yu.; POSHKREBNEV, V.P.; DMITRIYEVA, S.M.; KORNILOVA, A.V.

Work organization in the section, of metal feed to blooming mills. Met. i gornorud. prom. no.2:67-68 Mr-Ap '64.
(MIRA 17:9)

ROMANOV, F.I.; SVETSINSKAYA, L.V.; BAZANOV, E.A.

[redacted]

Geological structure and oil and gas potentials of the southwestern part of the South Minusinsk Lowland. Avtoref. nauch. trud. VNIGRI no.17:148-155 '56. (MIRA 11:6)

(Minusinsk Lowland--Petroleum geology)
(Minusinsk Lowland--Gas, Natural--Geology)

27383
S/125/61/000/003/011/016
A161/A133

1.2300 1573

AUTHORS: Kushnerov, D.M.; Svetsinskiy, V.G.

TITLE: Semiautomatic welding of low-carbon steel by open arc using magnetic flux

PERIODICAL: Avtomaticheskaya svarka, 14 no. 3, 1961, 95 - 97

TEXT: The article presents a brief general information on the welding method and detailed technological recommendations. The method has been suggested in 1950 by A.I. Khodzhayev and is based on the property of magnetic flux to stick to the welding wire. The flux is made magnetic by addition of powdered iron. The electro-thermic laboratory of the Institut elektrotekhniki AN USSR (Institute of Electric Engineering AS UkrSSR) has developed a ceramic magnetic M-10 flux for the semiautomatic welding of low-carbon steel, and a ДШМ-2 (DShM-2) holder. The M-10 flux is based on the CaO-MgO-CaF_2-TiO_2-SiO_2 slag system. Its composition is the following (in %): 19.5 - 21.0 $CaCO_3$; 6.3 - 7.0 MgO; 15.0 - 17.0 CaF_2; 7.7 - 9.0 TiO_2; 12.0 - 15.0 SiO_2; 22.0 - 24.0 Fe; 3.0 - 3.5 Mn; 3.0 - 3.3 Si; 1.2 - 1.4 Ti; 0.05 S; 0.05 P; up to 3% other constituents. The constituents are given in a table including the state standard (GOST) numbers and the weight %

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Semiautomatic welding of low-carbon steel by.... S/125/61/000/003/011/016
A161/A133

in the mixture of each. The constituents are: Marble 22%, fluospar 17%, magnesite brick 7%, rutile concentrate 9%, quartz sand 11%, ferromanganese 4%, ferrosilicon 4%, ferrotitanium 6%, powder iron 20%, sodium silicate 15.0%. The flux ensures satisfactory mechanical properties, good shape of welds, sound weld metal and an easily separating slag crust. The recommended welding current and electrode feed rate are given in a table for different wire diameters (2 and 1.6 mm) and different welding positions (horizontal, inclined and vertical). The productivity of the process is 2.5 times higher than of manual arc welding with УОНИИ-13/45 (UONII-13/45) electrodes, and more than double compared to semiautomatic CO_2-shielded welding. The special holder has a ring magnet preventing flux spilling when the welding is stopped. The 6 mm diameter aperture in the holder provides for uniform flux feed. The holder is used with the wire feed mechanisms of ПШ-5 (PSh-5) of ПШ-54 (PSh-54) welders and requires no design changes. The method has been tested with success at the "Bol'shevik" Plant and the Barnaul'skiy kotel'nyy zavod (Barnaul Boiler Plant). There are 2 figures.

ASSOCIATION: Institut elektrotekhniki AN USSR (Institute of Electrotechnics AS UkrSSR)

SUBMITTED: July 10, 1960

Card 2/2

KUSHNEREV, D.M.; SVETSINSKIY, V.G.

Investigating the automatic welding of highly-resistant cast iron under ceramic flux. Avtom. svar. 16 no.9:53-60 S '63.
(MIRA 16:10)

1. Institut elektrosvarki im. Ye.O.Patona AN UkrSSR.

SVETSKA, L.

Analysis in the Photographic Industry; a book review. p. 1037. (Chemicke Listy, Praha. Vol. 50, no. 6, June 1956.)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

TITOVA, K.A.; SVETISOV, N.P.

From abroad. Khim. prom. 42 no.9:705-709 S '65. (MIRA 18:9)

L 11142-63 EWT(1)/EWP(q)/EWT(m)/BDS--AFFTC/ASD--JD/JW
ACCESSION NR: AP3000481 S/0153/63/006/001/0167/0170

57

56

AUTHOR: Krasnov, K. S.; Svettsov, V. I.

11

27

TITLE: Thermodynamic functions of gaseous halides of the alkali earth metals

SOURCE: Izv. VUZ: Khimiya i khim. tekhnologiya, v. 6, no. 1, 1963, 167-170

TOPIC TAGS: thermodynamic functions, entropy, enthalpy function, free energy functions, specific heat, vibrational frequencies, molecular force constants, Be halides, Mg halides, Ca halides, Sr halides, Ba halides

ABSTRACT: The thermodynamic functions of gaseous alkaline earth halides have not been computed up to the present time because of lack of data on molecular vibrational frequencies. Knowledge of the thermodynamic functions would enable certain calculations to be made in the fields of sublimation and hydration of the halides. The force constants for transverse vibrations, 2k(Delta)/ℓ squared, calculated by the authors according to Pearson's formula, and the frequencies of transverse vibrations, Nu sub 2, calculated to within 50% accuracy according to the valence force-field model, are shown in Table 1 of enclosure 1; included in the table are the longitudinal vibrations, Nu sub 1, and Nu sub 2, as calculated to 3% accuracy by K. S. Krasnov, A. I. Maksimov (Zh. strukturnoy khimii, 3, 707, 1962). Using

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L 11142-63
ACCESSION NR: AP3000481

this information the entropy at 298K, S sup 0, the enthalpy function (H sup 0 - H sup 0 sub 0)/T, and the free energy function -(F sup 0 - H sup 0 sub 0)/T (where F is the Gibbs free energy) at 298, 400, 500, 1000, 1500, 2000, 2500K, were computed for the fluorides, chlorides, bromides, and iodides of Be, Mg, Ca, Sr, and Ba, using the model of a rigid rotatorharmonic oscillator. Vibrational frequencies were also used for computing the specific heat of these substances at 298, 500, 700, 1000 1500, 2000, and 2500K. Inaccuracies in the thermodynamic functions introduced by the large uncertainty in Nu sub 2 were found to be insignificant. Orig. art. has: 3 tables.

ASSOCIATION: Ivanovskiy khimiko-tekhnologicheskiy institut, Kafedra fizicheskoy i kolloidnoy khimii (Department of Physical and Colloidal Chemistry, Ivanovskiy Chemical Technological Institute)

SUBMITTED: 20Apr62 DATE ACQD: 21Jun63 ENCL: 02

SUB CODE: CH, PH NO REF SOV: 004 OTHER 002

Card 2/4

SVETUKHINA, V.M.
Moscow Order of Lenin and Order of Labor Red Banner State U imeni M.V. Lomonosov.

SVETUKHINA, V.M.: "The cytoarchitectonics of the blood of the precoronary and lobar regions of the brain amoung the carnivora." Moscow Order of Lenin and Order of Labor Red Banner State U imeni M.V. Lomonosov. Moscow, 1956 (Dissertation for the Degree of Candidate in Biological Sciences)

SO: Knizhnaya Letopis', No. 20, 1956

SVETUKHINA, V.M. (Moskva, V-296, Leninskiy pr., 62/1, kv.305a)

Cytoarchitectonics of the cerebral neocortex in the order of Rodentia (white rat). Arkh. anat. gist. i embr. 42 no.2:31-45 F '62.
(MIRA 15:2)

1. Kafedra fiziologii vysshey nervnoy deyatel'nosti (zav. - doktor biologicheskikh nauk prof. L.G.Voronin) biologo-pochvennogo fakul'teta Moskovskogo gosudarstvennogo universiteta.
(CEREBRAL CORTEX)

SVETUSHKOV, M., podpolkovnik.

[redacted]

Fire control of a battery of 82 mm. and 120 mm. mortars on the offensive.
Voen.vest. 36 no.9:48-53 S '56. (MIRA 9:10)
(Mortars (Ordnance)) (Artillery drill and tactics)

SVETUSHKOV, M. , podpolkovnik.

Organizing independent work in studying the technical part of weapons. Voen.vest. 36 no.2:52-56 F '57. (MIRA 10:3)
(Firearms) (Shooting, Military)

SVETUSHKOV, M., podpolkovnik

Holding a submachine gun when firing from a concealed position.
Voen. vest. 39 no.10:60-61 O '59. (MIRA 13:2)
(Machine guns) (Target practice)

PASTIU, V.,dr.; MIHAILESCU, V.,dr.; SVETZ, M.,dr. ENESCU, R.,dr.;
SBENGHE, S.,dr.

The coronary syndrome in hypertensive patients. Med inter
15 no. 5:587-591 My '63.

1. Lucrare efectuata la ASCAR (director: prof. C.C. Iliescu)
(CORONARY DISEASE) (HYPERTENSION)

SVETZ, M., dr.; MIHAILESCU, V.V., dr.; PASTIU, V., dr.; ENESCU, R., dr.; SBENGHE, S., dr.

Cardiac insufficiency in arterial hypertension. Med inter 15 no. 5:593-598 My '63.

1. Lucrare efectuata la ASCAR (director: prof. C.C. Iliescu) (HEART FAILURE, CONGESTIVE) (HYPERTENSION) (CORONARY DISEASE)

MIHAILESCU, V.V.,dr.; ENESCU, R.,dr.; PASTIU, V.,dr.; SVETZ, M.,dr.;
SBENGHE, S.,dr.

Arrhythmia in hypertensive patients. Med inter 15 no. 5:
581-585 My '63.
(HYPERTENSION) (ARRHYTHMIA)

SVETYAKOV, V. A.

PHASE I BOOK EXPLOITATION SOV/3482

Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy promyshlennosti. [illegible] Sverdlovskoye otdeleniye

Mekhanizatsiya i avtomatizatsiya [illegible] (Mechanization and Automation in the [illegible]) [illegible] 1959. 519 p. 12,000 copies printed.

Ed.: Ya. V. Mal'kov, Doctor of Technical Sciences, [illegible] Editorial Board: P. P. [illegible], [illegible] Technical Sciences, Ya. V. [illegible], [illegible] Perunikhov, Candidate of Technical Sciences, [illegible] Technical Sciences, [illegible], [illegible] Sokolovskiy, Candidate of Technical Sciences, [illegible] B. K. [illegible], Candidate of Technical Sciences, [illegible] sor.

PURPOSE: This book is intended for production engineers and [illegible] in industrial planning.

COVERAGE: The material presented in this book is [illegible] developed and tested in the machine-building plants [illegible] of Siberia. Listed are various methods of [illegible] and their applications in [illegible], forging [illegible], [illegible] Other fields of use include welding, hoisting, [illegible], and quality [illegible] on an industrial scale. Various machines, devices, tools, and [illegible] currently used in mechanization and automation of these industrial [illegible] are described and illustrated. The [illegible] is [illegible]

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1. Production of Metal Weldments (Charinov, A. A., Engineer) 182
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2. Automatic Welding in Tractor Building (Andrianov, K. I., and N. A. Karpova, Engineers) 191
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6. Mechanization of Electrode Production (Dmitriyev, S. N., Engineer) 223
   - Machines and mechanisms for preparation and treating of coating components 224
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Card 8/15

Z/009/61/000/012/002/005
E112/E953

AUTHORS: Sveřepa, O. and Svobodný, Z.

TITLE: Corrosion resistance of aluminium storage tanks

PERIODICAL: Chemický průmysl, no.12, 1961, 644-645

TEXT: This paper is concerned primarily with storage problems of the wood distillation industry. In order to find the most suitable material for storage tanks, the authors have determined the corrosion resistance of aluminium, low-carbon steel and zinc towards the following products of wood pyrolysis: chloroform, methyl acetal, dimethylacetal, acetaldehyde, allyl alcohol, acetone, methanol, light acetone oil, dark acetone oil, methanol oil, tar oil and wood tar. Results are tabulated, showing an excellent performance of aluminium in 8 media. A slightly inferior corrosion resistance was recorded for 4 media (allyl alcohol, light acetone oil, methanol oil and tar oil). Even so, it was considerably superior to that of low-carbon steel or zinc, giving only rise to pitting, without significant weight losses, which were considerable in the case of low-carbon steel or zinc. Only stainless steel AKVS proved completely resistant to the above 4 media. The preeent

Card 1/2

LOKHOVA, S.V.; SVEZHININA, Yu.A.

Studies on the antigenic relationship between the monkey measleslike virus and the measles virus using cross serological tests. Vop. virus. 9 no.6:690-696 N-D '64. (MIRA 18:11)

1. Moskovskiy nauchno-issledovatel'skiy institut virusnykh preparatov.

KHOZINSKIY, V.I.; KARASEVA, I.A.; SVEZHININA, Yu.A.

Immunological effectiveness of live polyvalent poliomyelitis vaccine under conditions of an epidemic outbreak of poliomyelitis in Tashkent. Med. zhur. Uzb. no.3:51-56 Mr '61. (MIRA 14:5)

1. Iz Tashkentskogo nauchno-issledovatel'skogo instituta vaktsin i syvorotok (direktor - kand.biologicheskikh nauk A.B.Inogamov).
(POLIOMYELITIS)

L 40989-66 EWT(1)/T JK

ACC NR: AR6011856 SOURCE CODE: UR/0299/65/000/020/B014/B014

18

AUTHOR: Svezhinina, Yu. A.

6 B

TITLE: A comparative study of the antigenic structure of a measles virus and measles-like virus 694

SOURCE: Ref. zh. Biologiya, Abs. 20B82

REF SOURCE: Tr. Tsentr. in-ta usoversh. vrachey, v. 76, 1964, 142-144

TOPIC TAGS: virus, virus disease, antigen, antibody

ABSTRACT: It was demonstrated that the "Edmonston," "Leningrad-4" and "Leningrad-6" strains were identical antigenically. They were neutralized in the same titers of homologous and heterologous rat sera. Immune sera for the given strains did not contain virus neutralizing antibodies for the measles-like monkey strain and the Mastyukova strain. The immune sera for these two strains reciprocally neutralized in cross neutralization reactions, but did not contain antibodies (even in a 1:2 dilution) for the first strains. A hypothesis is offered that the measles-like virus is similar to measles virus in cytopathogenic properties, but differs sharply in antigenic structure. V. Dorofeyev. /Translation of abstract/.

SUB CODE: 06

UDC: 576.858:616.915

Card 1/1 11b

BORISOGLEBSKIY, P.V., kandidat tekhnicheskikh nauk; SVI, P.M., inzhener.

Detecting damaged insulators with defectoscopes. Elek.sta. 24 no.9:44-46
S '53. (MLRA 6:8)
(Electric insulators and insulation--Testing)

Svi, P.M.

USSR.

621.317.333

2344. On a method of increasing the effectiveness of h.v. insulation tests. P. M. Svi. *Elekt. Stantsii*, 1955, *No.* 1, 30-3. In Russian.

The sensitivity of the discharge detector consisting essentially of the cathode voltmeter with a tuned circuit on the input side is usually limited by the effect of corona occurring on the leads, especially during the negative half-period. The sensitivity can be increased by producing corona-free test circuit or by rendering the instrument insensitive to corona. The first solution is impracticable and the second can be achieved by either taking measurements only during the positive half-period or by measuring peak instead of average voltage. The descriptions of the necessary modifications in the existing standard detector are given. E. M. DEMBINSKI

VINOKUROV, V.I., inzhener; SVI, P.M.

Detection of defective insulators by means of radiation.
Elektrichestvo no.11:86 N '56. (MIRA 9:12)

1. Leningradskiy elektrotekhnicheskiy institut imeni Ul'yanova (Lenina) (for Vinokurov) 2. Kontora po organizatsii i ratsionalizatsii rayonnykh elektrostantsii i seti (for Svi).
(Electric insulators and insulation--Testing)
(Radio measurements)

SVI, P.M.

LINE MATERIALS

"Effectiveness of Methods for Detecting Defective Suspension Insulators" by Engineer P. M. Svi. Elektricheskiye Stantsii, No. 6, June 1957, Pages 42 -- 44.

Compares the presently used method of detecting faulty insulators, by means of a pole and a constant or variable spark gap, with high frequency defectoscopy methods, and shows the latter to be superior, particularly from the point of view of reduced labor costs.

Card 1/1

SVI, P.M., inzh.; RAPOPORT, M.I., inzh., red.; SAVEL'YEV, V.I., red.;
VORONIN, K.P., tekhn.red.

[Testing insulation by increased a.c.voltage] Ispytanie izoliatsii povyshennym napriazheniem peremennogo toka. Moskva, Gos.energ.izd-vo, 1958. 31 p. (MIRA 12:8)

1. ORGRES, trust, Moscow.
(Electric insulators and insulation)

AUTHOR: Svi, P. M., Engineer SOV/91-59-2-16/33

TITLE: The Functioning of the Breaking Device RONZ-400 at Low Temperatures (Rabota raz"yedinitelya RONZ-400 pri nizkikh temperaturakh)

PERIODICAL: Energetik, 1959, Nr 2, pp 24 - 25 (USSR)

ABSTRACT: According to the manufacturer's instruction, the heaters of the breaking device RONZ-400, should be switched-in at a temperature of minus 10°C. On the basis of experiments with well-regulated breaking devices, RONZ-400 was provided with the manufacturer's lubricant GOI-54 UNVM in AU reducer (GOST 1642-50). It was found out, that the heater should be switched in only at temperatures below minus 30°C. In areas where such bitter frosts seldom occur, installation of heaters can be dispensed with altogether. The elimination of the heater's services results in a considerable economy in electric power. Technician V. A. Skachkov participated in the experiments. There is one table.

Card 1/1

SVI, P.M., inzh.; STOLYAROV, M.D., inzh.

Special features in the testing of 400 kv. equipment. Elek.sta. 30 no.1:48-53 Ja '59. (MIRA 12:3)

(Electric transformers--Testing)
(Electric circuit breakers--Testing)

SVI, P.M., inzh.

High-frequency flaw detector for checking electric insulation. Elek. sta. 32 no.12:34-36 D '61. (MIRA 15:1)

(Electric insulators and insulation--Testing)
(Electric lines)

SVI, P.M., inzh.; KHOMYAKOV, M.V., inzh.; CHVANOV, A.V., inzh.

High-frequency flaw detection of the insulation of electric power transmission lines. Elek. sta. 32 no.12:36-40 D '61.
(MIRA 15:1)

(Electric insulators and insulation--Testing)
(Electric lines)

SVI, P.M., inzh.

Device for checking generator rod solderings. Energetik. 13 no.9: 23-25 S '65. (MIRA 18:9)

MAJER, Jaroslav, doc. PhMr., C.Sc.; NOVAK, Vladimir, inz.; SVICEKOVA, Maria, prom. farm.

New complexons. Pt. 2. Chem zvesti 18 no.7:481-492 '64.

1. Chair of Analytic Chemistry, Pharmaceutical Faculty, Comenius University, Bratislava, ul. Odbojarov 12.

L 33688-66 EWP(j) RM

SOURCE CODE: CZ/0043/65/000/011/0817/0825

ACC NR: AP6024204

AUTHOR: Novak, Vladimir (Engineer; Bratislava); Major, Jaroslav--Major, Ya. (Docent; Pharmacist; Candidate of sciences; Bratislava); Svicekova, Maria--Svichekova, M. (Graduate pharmacist; Bratislava)

24
B

ORG: Department of Analytical Chemistry, Pharmaceutical Faculty, Comenius University, Bratislava (Katedra analytickej chemie Farmaceutickej fakulty University Komenskeho)

TITLE: New complexans (III) Polarographic determination of stability constants of the complexes of meso-2,3-diaminobutane-N,N,N',N'-tetraacetic acid with lanthanum compounds. [This paper was presented at the Symposium on the Structure and Quality of Coordination Compounds, held in Bratislava from 2 to 4 September 1964.]

SOURCE: Chemicke zvesti, no. 11, 1965, 817-825

TOPIC TAGS: stability constant, polarography, complex compound, exchange reaction, lanthanum compound

ABSTRACT: The stability constants were determined by polarographic measurements at 20°C in a medium of patassium nitrate. The La was trivalent and the cations used for exchange equilibrium determinations were Cd, Pb, Cu and Eu. La was in the form of 0.01M solution of $La(NO_3)_3$. Impurities contained usually in La strongly the results. [JPRS]
Orig. art. has: 5 figures and 3 tables.

SUB CODE: 07 / SUBM DATE: 01Mar65 / ORIG REF: 007 / OTH REF: 001

Card 1/1

0925 1855

L 36040-66 EWP(j) RM

ACC NR: AP6027370 SOURCE CODE: CZ/0043/66/000/004/0252/0260

3/ 9

AUTHOR: Novak, Vladimir (Engineer; Bratislava); Svicekova, Maria—Svichekova, M. (Graduate pharmacist; Bratislava); Majer, Jaroslav—Mayer, Ya. (Docent; Pharmacist; Candidate of sciences; Bratislava)

ORG: Department of Analytical Chemistry, Pharmaceutical Faculty, Comenius University, Bratislava (Katedra analytickej chemie Farmaceutickej fakulty Univerzity Komenskoho)

TITLE: New complexans (VI). Stability constants of racemic-2,3-diamino-butano-N,N,N',N'-tetraacetic acid with lanthanides determined by the polarographic method of exchange equilibrium systems

SOURCE: Chemicke zvesti, no. 4, 1966, 252-260

TOPIC TAGS: stability constant, acetic acid, lanthanum, polarographic analysis, chemical equilibrium

ABSTRACT: The polarographic investigation of the exchange equilibrium systems was used for the determination of the values of the logarithms of the stability constants of normal complexes of the racemic-2,3-diaminobutane-N,N,N',N'-tetraacetic acid with La. The stability constants are expressed as a discontinuous function of the atomic number of La forming the central ion of the comples. Orig. art. has: 5 figures and 3 tables. [JPRS: 36,464]

SUB CODE: 07 / SUBM DATE: 10Apr65 / ORIG REF: 006 / OTH REF: 001

Card 1/1 mlp

SVICHKAREV, V.D.

Foremost efficiency promoter. Mashinostroitel' no.11:11 N '58.
(MIRA 11:12)

(Efficiency, Industrial)